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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

JANUARY 1936

Any five of the nontechnical publications listed herein, unless indicated "For sale only", may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Castrating and docking lambs. D. A. Spencer, Bureau of Animal Industry, and E. W. Baker, Bureau of Agricultural Economics. 12 p., illus. (F. B. 1134F, rev.) Price, 5¢.

Dairy cattle breeds. Amer B. Nystrom, Bureau of Dairy Industry. 32 p., illus. (F. B. 1443F., rev.) Price, 5¢.

Modernizing farmhouses. Wallace Ashby and Walter H. Nash, Bureau of Agricultural Engineering. 62 p., illus. (F. B. 1749F.) Price, 5¢.

Roof coverings for farm buildings and their repair. A. D. Edgar and Thos. A. H. Miller, Bureau of Agricultural Engineering. 30 p., illus. (F. B. 1751F.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contains the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Timber growing and logging practice in the Southwest and in the Black Hills region. G. A. Pearson, Southwestern Forest and Range Experiment Station, and R. E. Marsh, Forest Service. 80 p., illus. (T. B. 480T.) Price, 10¢.

The composition and constitution of the colloids of certain of the great groups of soils. Horace G. Byers, Lyle T. Alexander, and R. S. Holmes, Bureau of Chemistry and Soils. 39 p. (T. B. 484T.) Price, 5¢.

Explosibility of agricultural and other dusts as indicated by maximum pressure and rates of pressure rise. Paul W. Edwards and L. R. Leinbach, Bureau of Chemistry and Soils. 24 p., illus. (T. B. 490T.) Price, 5¢.

Artificial reforestation in the southern pine region. Philip C. Wakeley, Forest Service. 115 p., illus. (T. B. 492T.) Price, 15¢.

Decay following fire in young Mississippi Delta hardwoods. George H. Hepting, Bureau of Plant Industry. 32 p., illus. (T. B. 494T.) Price, 5¢.

Utilization and cost of power on Mississippi and Arkansas Delta plantations. L. A. Reynoldson, Bureau of Agricultural Economics; W. R. Humphries, Bureau of Agricultural Engineering; S. R. Speelman and E. W. McComas, Bureau of Animal Industry; and W. H. Youngman, Bureau of Agricultural Economics. 47 p., illus. (T. B. 497T.) Price, 5¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

The migration of North American birds. Frederick C. Lincoln, Bureau of Biological Survey. 72 p., illus. (Cir. 363C.) Price, 10¢.

Industrial fumigation against insects. E. A. Back and R. T. Cotton, Bureau of Entomology and Plant Quarantine. 52 p., illus. (Cir. 369C.) Price, 5¢.

Varietal suitability of peaches for preserve making and factors affecting the quality of the product. H. H. Moon, C. W. Culpepper, and Joseph S. Caldwell, Bureau of Plant Industry. 22 p., illus. (Cir. 375C.) Price, 5¢.

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MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Present guides for household buying. Ruth O'Brien and Medora M. Ward, Bureau of Home Economics. 36 p. (M. P. 193MP., rev.) Price, 5¢.

Studies of family living in the United States and other countries: An analysis of material and method. Faith M. Williams, Bureau of Home Economics, in cooperation with the Social Science Research Council and the Institute of Pacific Relations, and Carle C. Zimmerman, Harvard University. 617 p. (M. P. 223MP.) Price, 60¢.

Home dyeing with natural dyes. Margaret S. Furry and Bess M. Viemont, Bureau of Home Economics. 36 p. (M. P. 230MP.) Price, 5¢.

STATISTICAL BULLETINS

Tables giving statistics relating to one or more closely related agricultural commodities. Of interest to persons engaged in marketing or any business affected by agricultural production.

Car-lot shipments of fruits and vegetables from stations in the United States, for the calendar years 1932 and 1933. Bureau of Agricultural Economics. 150 p. (S. B. 50SB.) Price, 15¢.

Stumpage and log prices for the calendar year 1934. Henry B. Steer, Forest Service. 61 p. (S. B. 51SB. Price, 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Gypsy moth and brown-tail moth quarantine (Quarantine no. 45.) Revision of quarantine and regulations. Effective November 4, 1935. Bureau of Entomology and Plant Quarantine. 8 p. (B. E. P. Q.–Q. 45.)[1]

Bureau of Animal Industry, Service and Regulatory Announcements. November 1935. Pp. 157–170. (S. R. A.–B. A. I. 343.) Price, 5¢ each.[2]

Bureau of Entomology and Plant Quarantine, Service and Regulatory Announcements. July–September 1935. Pp. 49–69. (S. R. A.–B. E. P. Q. No. 124.)[1]

Amendment of July 8, 1930, to Federal Food and Drugs Act and requirements thereunder. Food and Drug Administration. 12 p. (S. R. A., F. D. No. 4, Rev. 3.)[1]

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

Nebraska, Valley County. (No. 4, series 1932.) 38 p., illus. Price, 25¢.

OTHER PUBLICATIONS

Handbook of official United States standards for beans. Revised effective August 1, 1935. Bureau of Agricultural Economics. 34 p. Price, 10¢.

Plant material introduced by the Division of Plant Exploration and Introduction. Bureau of Plant Industry, October 1 to December 31, 1933. (Nos. 103777–103988.) 14 p. (Inventory 117.) Price, 5¢.

Report of the Chief of the Bureau of Entomology and Plant Quarantine, 1935. Lee A. Strong. 96 p. Price, 10¢.

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[1] These may be obtained from the issuing bureau.
[2] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other publications

Report of the Director of Personnel, 1935. W. W. Stockberger. 6 p. Price, 5¢.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 20, no. 1, January 1, 1936. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.[2]

Crops and markets. Vol. 12, no. 12, December 1935. Price, 10¢ a copy; $1.00 a year, domestic; $1.50 a year, foreign.[2]

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, $3 a year; daily, including Sundays and holidays, 30¢ a month, $3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, $7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, $2.40 a year.[2]

Experiment station record. Vol. 72, Index number. January–June 1935. Price, $1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; $1.50 per volume, foreign. Single number for sale only. Price, 15¢.[2]

A technical view of the world's scientific literature pertaining to agriculture.

Extension service review. Vol. 6, no. 12, December 1935. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.[2]

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, $3.25 a year domestic; $4.75 a year foreign. Each issue, 15¢ domestic; 20¢ foreign. Reprints, 5¢ domestic; 8¢ foreign.[2] Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

——— Vol. 51, no. 5. September 1, 1935. Illus.

Contents:

The relative protein efficiency and the relative vitamin G content of common protein supplements used in poultry rations (N. Y. (Cornell)–30). H. S. Wilgus, Jr., L. C. Norris, and G. F. Heuser.

The nutritive value of the proteins of corn-gluten meal, linseed meal, and soybean-oil meal (N. Y. (Cornell)–29). Kenneth L. Turk, F. B. Morrison, and L. A. Maynard.

Nutrient-solution purification for removal of heavy metals in deficiency investigations with *Aspergillus niger* (G–978). Robert A. Steinberg.

A simple, accurate method of computing basal area of forest stands (F–70). C. Allen Bickford.

The effect of one and of two seedling lethals in the heterozygous condition on barley development (Colo.–9). D. W. Robertson and W. W. Austin.

Soil-temperature studies on Florida cigar-wrapper tobacco (Fla.–18). Randall R. Kincaid and L. O. Gratz.

The development of the barley spike (Ill.–60). O. T. Bonnett.

[1] These may be obtained from the issuing bureau.

[2] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Journal of agricultural research. Vol. 51, no. 5. September 1, 1935. Illus.

Contents:—Continued.

The sequence of appearance, molt, and replacement of the juvenile remiges of some domestic birds (Kans.–76). D. C. Warren and C. D. Gordon.

Macrosporogenesis and embryology of *Medicago* (Wis.–70). D. C. Cooper.

——— Vol. 51, no. 6. September 15, 1935. Illus.

Contents:

Influence of the ingestion of colostrum on the proteins, of the blood sera of young foals, kids, lambs, and pigs (A–167). Imogene P. Earle.

A study of the cause of variability in response of barley loose smut to control through seed treatment with surface disinfectants (G–976). V. F. Tapke.

The sugar beet nematode and other indigenous nemic parasites of shadscale (G–977). Gerald Thorne.

Scab of goldenrod caused by Elsinoë (G–982). Anna E. Jenkins and H. G. Ukkelberg.

Oxidation and gas formation in the spontaneous heating of hay (E–64). E. J. Hoffman.

The construction of normal-yield and stand tables for even-aged timber stands (F–71). James G. Osborne and Francis X. Schumacher.

Physiological factors influencing the rate of egg formation in the domestic hen (Kans.–77). D. C. Warren and H. M. Scott.

——— Vol. 51, no. 7, October 1, 1935. Illus.

Contents:

A cytological study of the resistance of apple varieties to *Gymnosporangium juniperi-virginianae* (Wis.–72). Charles J. Nusbaum.

Influence of the carbohydrate-nitrogen relation on nodule production by red clover (Wis.–73). Carl E. Georgi.

The relation of foliage color to aphid resistance in some varieties of canning peas (Wis.–74). Ed M. Searls.

Earliness of sexual reproduction in wheat as influenced by temperature and light in relation to growth phases (G–975). H. H. McKinney and W. J. Sando.

The anatomy and histology of the transition region of *Tragopogon porrifolius* (Ohio–19). Leon Havis.

Effect of interior temperatures of beef muscle upon the press fluid and cooking losses (Minn.–93). Alice M. Child and J. Agnes Fogarty.

The diffusible calcium in the serum of laying and nonlaying hens (N. J.–30). Milton W. Taylor and Walter C. Russell.

Monthly weather review. Vol 62, Index. 1934; Vol. 63, no. 10, October 1935. Illus. Price, 15¢ a copy; $1.50 a year, domestic; $2.25 a year, foreign.[2] Not for general distribution.

Contain (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 16, no. 10, December 1935. Price, 10¢ a copy; $1 a year, $1.50 a year, foreign.[2]

Soil conservation. Vol. 1, no. 6, January 1936. Price, 10¢ a copy; $1 a year, domestic.[2]

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. No. 53, December 31, 1935; nos. 1–4, January 7–28, 1936. Price, 50¢ a year, domestic; $1 a year, foreign.[2]

[2] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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